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Attorney Docket No.: S1022/8549 (WRM)

GP/2664 \$

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mikael ISAKSSON et al.
Serial No.: 09/686,031
Filing Date: October 11, 2000
For: METHOD FOR ESTIMATING AND SYNCHRONIZING FRAME
BOUNDARIES OF MIS-ALIGNED CROSS-TALK SIGNALS IN A DMT
SYSTEM

Examiner: Not yet assigned
Art Unit: 2664

RECEIVED

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

MAR 11 2002

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to the Commissioner for Patents, Washington, D.C. 20231 on the 06 day of February, 2002.

Technology Center 2600

William R. McClellan

William R. McClellan, Reg. No. 29,409

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is a Preliminary Amendment in the above-identified application.

The fee has been calculated as shown below:

| CLAIMS AS AMENDED | | | | | | | | | |
|---|---|---|--|---|------------------|---|-------------|-------------------|--------|
| | Claims Remaining After Amendment | | Highest No. Previously Paid For | | Present Extra | | Rate | Additional Fee | |
| TOTAL CLAIMS | 23 | - | 20 | = | 3 | X | \$ 18 = \$ | | 54.00 |
| INDEP. CLAIMS | 4 | - | 3 | = | 1 | X | \$.84 = \$ | | 84.00 |
| MULTIPLE DEPENDENT CLAIM | | | | | | | | = \$ | |
| PETITION FOR MONTH EXTENSION OF TIME | | | | | | | | = \$ | |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT | | | | | | | | = \$ | 138.00 |

Also enclosed is a return-receipt postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check in the amount of \$138.00 is enclosed to cover the fee for additional claims. The Commissioner is hereby authorized to charge any deficit or credit any overpayment to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

Mikael ISAKSSON et al., Applicants

William R. McClellan

By: William R. McClellan, Reg. No. 29,409

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Boston, MA 02210

Tel. (617)720-3500

Attorneys for the Applicants

Attorney Docket No.: S1022/8549 (WRM)

Dated: February 06, 2002

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PRELIMINARY AMENDMENT

Technology Center 2600

Prior to examination on the merits, please enter the following amendments in the above-identified application.

IN THE CLAIMS

Please amend the claims as follows. Applicants present the claims as amended below and encloses a separate sheet indicating the amendments to the claims with bracketing and underlining.

1. (Amended) In a telecommunications transmission system using a DMT system as multicarrier system and having at least two VDSL systems, each comprising a pair of modems, said at least two VDSL systems belonging to a single binder group common to the at least two VDSL systems, a method in said DMT system for keeping DMT frames aligned to a same frame timing comprising the steps of
- estimating the time mis-alignment and power of cross-talk DMT signals added to a received DMT signal when the estimate is used by the modem to synchronise its own frame timing to a main cross-talkers frame timing;

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01 FC:102
02 FC:103

84.00 OP
54.00 OP